IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-45. (Canceled)

- 46. (Previously presented) A semiconductor device comprising:
- a first thin film transistor formed over an insulating surface, the first thin film transistor comprising:
- a semiconductor film comprising crystalline silicon and having at least source and drain regions and a channel forming region;
 - a gate insulating film over the channel forming region; and
 - a gate electrode formed over the gate insulating film;
 - an interlayer insulating film formed over the first thin film transistor;
- a conductive layer formed over the interlayer insulating film and electrically connected to one of the source and drain regions of the first thin film transistor;
- a color filter formed over the interlayer insulating film and the conductive layer, wherein the color filter covers the entire first thin film transistor; and
- a pixel electrode formed over the color filter and electrically connected to the conductive layer.
 - 47. (Previously presented) A semiconductor device comprising:
- a first thin film transistor formed over an insulating surface, the first thin film transistor comprising:

- a semiconductor film comprising at least a channel forming region;
- a gate insulating film adjacent to the channel forming region; and
- a gate electrode adjacent to the gate insulating film,

an interlayer insulating film formed over the first thin film transistor;

a conductive layer formed over the interlayer insulating film and electrically connected to one of source and drain regions of the first thin film transistor;

a color filter formed over the interlayer insulating film and the conductive layer, wherein the color filter covers the entire first thin film transistor; and

a pixel electrode formed over the color filter and electrically connected to the conductive layer.

48. (Previously presented) A semiconductor device comprising:

a first thin film transistor formed over an insulating surface, the first thin film transistor comprising:

a semiconductor film comprising crystalline silicon and having at least source and drain regions and a channel forming region;

a gate insulating film adjacent to the channel forming region; and

a gate electrode adjacent to the channel forming region with the gate insulating film interposed therebetween;

an interlayer insulating film formed over the first thin film transistor, the interlayer insulating film comprising at least a material selected from the group consisting of silicon nitride, silicon oxide and nitrated silicon oxide;

a color filter formed over the interlayer insulating film, wherein the color filter covers the entire first thin film transistor; and

a pixel electrode formed over the color filter,
wherein the pixel electrode is electrically connected to the first thin film transistor.

49. (Previously presented) A device according to claim 48, wherein the gate electrode is located over the channel forming region.

50-51. (Canceled).

- 52. (Previously presented) A semiconductor device comprising:
- a first thin film transistor formed over an insulating surface, the first thin film transistor comprising:
- a semiconductor film comprising crystalline silicon and having at least source and drain regions and a channel forming region;
 - a gate insulating film adjacent to the channel forming region; and
- a gate electrode formed adjacent to the channel forming region with the gate insulating film interposed therebetween;
 - a first interlayer insulating film formed over the first thin film transistor;
- a conductive layer formed over the first interlayer insulating film and electrically connected to one of the source and drain regions of the first thin film transistor;
- a passivation film formed over the conductive layer, the passivation film comprising at least a material selected from the group consisting of silicon nitride, silicon oxide and nitrated silicon oxide;
- a color filter formed over the passivation film, wherein the color filter covers the entire first thin film transistor; and

a pixel electrode formed over the color filter and electrically connected to the conductive layer.

53. (Previously presented) A device according to claim 52, wherein the gate electrode is located over the channel forming region.

54-55. (Canceled).

56. (Currently amended) A semiconductor device comprising:

a first thin film transistor formed over an insulating surface, the first thin film transistor comprising:

a semiconductor film comprising:

a channel forming region; and

a source region and a drain region;

a gate insulating film adjacent to over the channel forming region; and

a gate electrode adjacent to over the gate insulating film;

an interlayer insulating film formed over the first thin film transistor;

a conductive layer formed over the interlayer insulating film and electrically connected to one of source and drain regions of the first thin film transistor;

a color filter formed over the interlayer insulating film, the conductive layer and the first thin film transistor, wherein the color filter covers the entire first thin film transistor; and

a pixel electrode formed over the color filter and electrically connected to the conductive layer.

- 57. (Previously presented) A semiconductor device comprising:
- a first thin film transistor formed over an insulating surface, the first thin film transistor comprising:

a semiconductor film comprising:

a channel forming region; and

a source region and a drain region;

a gate insulating film adjacent to the channel forming region; and

a gate electrode adjacent to the channel forming region with the gate insulating film interposed therebetween;

an interlayer insulating film formed over the first thin film transistor, the interlayer insulating film comprising at least a material selected from the group consisting of silicon nitride, silicon oxide and nitrated silicon oxide;

a color filter formed over the interlayer insulating film and the first thin film transistor, wherein the color filter covers the entire first thin film transistor; and

a pixel electrode formed over the color filter.

- 58. (Previously presented) A semiconductor device comprising:
- a first thin film transistor formed over an insulating surface, the first thin film transistor comprising:

a semiconductor film comprising:

a channel forming region; and

a source region and a drain region;

a gate insulating film adjacent to the channel forming region; and

a gate electrode adjacent to the channel forming region with the gate insulating film interposed therebetween;

- a first interlayer insulating film formed over the first thin film transistor;
- a conductive layer formed over the first interlayer insulating film and electrically connected to one of the source and drain regions of the first thin film transistor;
- a passivation film formed over the conductive layer, the passivation film comprising at least a material selected from the group consisting of silicon nitride and nitrated silicon oxide;
- a color filter formed over the passivation film and the first thin film transistor, wherein the color filter covers the entire first thin film transistor; and
- a pixel electrode formed over the color filter and electrically connected to the conductive layer.

59. (Currently Amended) A semiconductor device comprising:

a first thin film transistor comprising:

- a semiconductor film comprising at least a channel forming region;
- a gate insulating film adjacent to over the channel forming region; and
- a gate electrode adjacent to over the channel forming region with the gate insulating film interposed therebetween;

an interlayer insulating film formed over the first thin film transistor;

- a conductive layer formed over the interlayer insulating film and electrically connected to one of source and drain regions of the first thin film transistor;
- a color filter formed over the interlayer insulating film, the conductive layer and the first thin film transistor, wherein the color filter covers the entire first thin film transistor; and a pixel electrode formed over the color filter and electrically connected to the

conductive layer.

60. (Previously presented) A semiconductor device comprising:

a first thin film transistor comprising:

a semiconductor film comprising silicon and having at least a channel forming region;

a gate insulating film adjacent to the channel forming region; and

a gate electrode adjacent to the channel forming region with the gate insulating film interposed therebetween;

an interlayer insulating film formed over the first thin film transistor, the interlayer insulating film comprising at least a material selected from the group consisting of silicon nitride, silicon oxide and nitrated silicon oxide;

a color filter formed over the interlayer insulating film and the first thin film transistor, wherein the color filter covers the entire first thin film transistor; and

a pixel electrode formed over the color filter.

61. (Previously presented) A semiconductor device comprising:

a first thin film transistor comprising:

a semiconductor film comprising silicon and having at least a channel forming region;

a gate insulating film adjacent to the channel forming region; and

a gate electrode adjacent to the channel forming region with the gate insulating film interposed therebetween;

a first interlayer insulating film formed over the first thin film transistor;

a conductive layer formed over the first interlayer insulating film and electrically connected to one of the source and drain regions of the first thin film transistor;

a passivation film formed over the conductive layer, the passivation film comprising at least a material selected from the group consisting of silicon nitride and nitrated silicon oxide;

a color filter formed over the passivation film and the first thin film transistor, wherein the color filter covers the entire first thin film transistor; and

a pixel electrode formed over the color filter and electrically connected to the conductive layer.

- 62. (Previously presented) A device according to claim 56, wherein the semiconductor film comprises crystalline silicon.
- 63. (Previously presented) A device according to claim 57, wherein the semiconductor film comprises crystalline silicon.
- 64. (Previously presented) A device according to claim 58, wherein the semiconductor film comprises crystalline silicon.
- 65. (Previously presented) A device according to claim 59, wherein the semiconductor film comprises crystalline silicon.
- 66. (Previously presented) A device according to claim 60, wherein the semiconductor film comprises crystalline silicon.

67. (Previously presented) A device according to claim 61, wherein the semiconductor film comprises crystalline silicon.

68. (Previously presented) A device according to claim 46, wherein the semiconductor device further comprising:

a resin film over the color filter;

an electrode over the organic resin film; and

an oxide film of the electrode in direct contact with at least a portion of a surface of the electrode,

wherein the pixel electrode is in direct contact with at least a portion of the oxide film, and

wherein a storage capacitor comprises the electrode and the pixel electrode with the oxide film interposed therebetween.

69. (Previously presented) A device according to claim 48, wherein the semiconductor device further comprising:

a resin film over the color filter;

an electrode over the organic resin film; and

an oxide film of the electrode in direct contact with at least a portion of a surface of the electrode,

wherein the pixel electrode is in direct contact with at least a portion of the oxide film, and

wherein a storage capacitor comprises the electrode and the pixel electrode with the oxide film interposed therebetween.

70. (Previously presented) A device according to claim 52, wherein the semiconductor device further comprising:

a resin film over the color filter;

an electrode over the organic resin film; and

an oxide film of the electrode in direct contact with at least a portion of a surface of the electrode,

wherein the pixel electrode is in direct contact with at least a portion of the oxide film, and

wherein a storage capacitor comprises the electrode and the pixel electrode with the oxide film interposed therebetween.

- 71. (Previously presented) A device according to claim 46, wherein the semiconductor film further comprises LDD regions between the channel forming region and the source and drain regions.
- 72. (Previously presented) A device according to claim 48, wherein the semiconductor film further comprises LDD regions between the channel forming region and the source and drain regions.

- 73. (Previously presented) A device according to claim 52, wherein the semiconductor film further comprises LDD regions between the channel forming region and the source and drain regions.
- 74. (Previously presented) A device according to claim 56, wherein the semiconductor film further comprises LDD regions between the channel forming region and the source and drain regions.
- 75. (Previously presented) A device according to claim 57, wherein the semiconductor film further comprises LDD regions between the channel forming region and the source and drain regions.
- 76. (Previously presented) A device according to claim 58, wherein the semiconductor film further comprises LDD regions between the channel forming region and the source and drain regions.
- 77. (Previously presented) A device according to claim 46, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

78. (Previously presented) A device according to claim 47, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

79. (Previously presented) A device according to claim 48, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

80. (Canceled).

81. (Previously presented) A device according to claim 52, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

- 82. (Canceled).
- 83. (Previously presented) A device according to claim 56, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

84. (Previously presented) A device according to claim 57, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

85. (Previously presented) A device according to claim 58, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

86. (Previously presented) A device according to claim 59, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

87. (Previously presented) A device according to claim 60, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating

surface.

88. (Previously presented) A device according to claim 61, further comprising a driver circuit comprising a second thin film transistor,

wherein the first thin film transistor is included in a pixel matrix circuit, and wherein the pixel matrix circuit and the driver circuit are formed over an insulating surface.

- 89. (Previously presented) A device according to claim 46, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
- 90. (Previously presented) A device according to claim 47, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
- 91. (Previously presented) A device according to claim 48, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
 - 92. (Previously presented) A device according to claim 52, wherein the semiconductor

device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.

- 93. (Previously presented) A device according to claim 56, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
- 94. (Previously presented) A device according to claim 57, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
- 95. (Previously presented) A device according to claim 58, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
- 96. (Previously presented) A device according to claim 59, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.

- 97. (Previously presented) A device according to claim 60, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
- 98. (Previously presented) A device according to claim 61, wherein the semiconductor device is selected from the group consisting of a personal computer, a video camera, a mobile computer, a goggle type display, a player that uses a recording medium, a camera, a projector, a portable telephone, a portable book and a display device.
- 99. (Previously presented) A device according to claim 46 wherein said color filter has a flat upper surface.
- 100. (Previously presented) A device according to claim 47 wherein said color filter has a flat upper surface.
- 101 (Previously presented) A device according to claim 48 wherein said color filter has a flat upper surface.
- 102. (Previously presented) A device according to claim 52 wherein said color filter has a flat upper surface.
- 103. (Previously presented) A device according to claim 56 wherein said color filter has a flat upper surface.

- 104. (Previously presented) A device according to claim 57 wherein said color filter has a flat upper surface.
- 105. (Previously presented) A device according to claim 58 wherein said color filter has a flat upper surface.
- 106. (Previously presented) A device according to claim 59 wherein said color filter has a flat upper surface.
- 107. (Previously presented) A device according to claim 60 wherein said color filter has a flat upper surface.
- 108. (Previously presented) A device according to claim 61 wherein said color filter has a flat upper surface.
- 109. (Previously presented) A device according to claim 46 wherein said color filter has an opening through which said pixel electrode is electrically connected to the conductive layer.
- 110. (Previously presented) A device according to claim 47 wherein said color filter has an opening through which said pixel electrode is electrically connected to the conductive layer.
- 111. (Previously presented) A device according to claim 48 wherein said color filter has an opening through which said pixel electrode is electrically connected to the first thin film

transistor.

- 112. (Previously presented) A device according to claim 52 wherein said color filter has an opening through which said pixel electrode is electrically connected to the conductive layer.
- 113. (Previously presented) A device according to claim 56 wherein said color filter has an opening through which said pixel electrode is electrically connected to the conductive layer.
- 114. (Previously presented) A device according to claim 57 wherein said color filter has an opening through which said pixel electrode is electrically connected to the first thin film transistor.
- 115. (Previously presented) A device according to claim 58 wherein said color filter has an opening through which said pixel electrode is electrically connected to the conductive layer.
- 116. (Previously presented) A device according to claim 59 wherein said color filter has an opening through which said pixel electrode is electrically connected to the conductive layer.
- 117. (Previously presented) A device according to claim 60 wherein said color filter has an opening through which said pixel electrode is electrically connected to the thin film transistor.
- 118. (Previously presented) A device according to claim 61 wherein said color filter has an opening through which said pixel electrode is electrically connected to the conductive layer.

- 119. (New) A device according to claim 46, further comprising one or more gate electrodes in addition to the gate electrode.
- 120. (New) A device according to claim 47, further comprising one or more gate electrodes in addition to the gate electrode.
- 121. (New) A device according to claim 48, further comprising one or more gate electrodes in addition to the gate electrode.
- 122. (New) A device according to claim 52, further comprising one or more gate electrodes in addition to the gate electrode.
- 123. (New) A device according to claim 56, further comprising one or more gate electrodes in addition to the gate electrode.
- 124. (New) A device according to claim 57, further comprising one or more gate electrodes in addition to the gate electrode.
- 125. (New) A device according to claim 58, further comprising one or more gate electrodes in addition to the gate electrode.
- 126. (New) A device according to claim 59, further comprising one or more gate electrodes in addition to the gate electrode.

- 127. (New) A device according to claim 60, further comprising one or more gate electrodes in addition to the gate electrode.
- 128. (New) A device according to claim 61, further comprising one or more gate electrodes in addition to the gate electrode.
- 129. (New) A device according to claim 46, wherein the gate electrode is covered by the interlayer insulating film.
- 130. (New) A device according to claim 47, wherein the gate electrode is covered by the interlayer insulating film.
- 131. (New) A device according to claim 48, wherein the gate electrode is covered by the interlayer insulating film.
- 132. (New) A device according to claim 52, wherein the gate electrode is covered by the interlayer insulating film.
- 133. (New) A device according to claim 56, wherein the gate electrode is covered by the interlayer insulating film.
- 134. (New) A device according to claim 57, wherein the gate electrode is covered by the interlayer insulating film.

- 135. (New) A device according to claim 58, wherein the gate electrode is covered by the interlayer insulating film.
- 136. (New) A device according to claim 59, wherein the gate electrode is covered by the interlayer insulating film.
- 137. (New) A device according to claim 60, wherein the gate electrode is covered by the interlayer insulating film.
- 138. (New) A device according to claim 61, wherein the gate electrode is covered by the interlayer insulating film.